

Sensor Arrangement

CLAIMS:

1. Sensor arrangement for a motor vehicle for detecting the environment by means of at least one camera system, characterized in that at least two camera systems (14, 16) are provided which each operate in different spectral regions.

2. Sensor arrangement according to Claim 1, characterized in that each camera system (14, 16) is adjusted to a different focal distance.

3. Sensor arrangement according to Claim 1 or 2, characterized in that one camera system (16) operates in the infrared range.

4. Sensor arrangement according to one of Claims 1 to 3, characterized in that one camera system (14) comprises a CCD camera.

5. Sensor arrangement according to Claim 4,

characterized in that the CCD camera (14) is used for detecting the close range.

6. Sensor arrangement according to Claim 5, characterized in that the CCD camera (14) is adjusted such that it detects the range of a headlight cone of a vehicle driving with switched-on lights.

7. Sensor arrangement according to one of the preceding claims, characterized in that an analyzing device (18) is provided which is connected with all camera systems.

8. Sensor arrangement according to Claim 7, characterized in that the analyzing device (18) is constructed for the differential contrast evaluation.

9. Sensor arrangement according to Claim 7 or 8, characterized in that a memory device is provided in which a visual range module is stored, and in that a device is provided by means of which a conclusion can be drawn with respect to the visual range from information of the analyzing device,

10070567.030802

ADD B1

INS B2
ABSTRACT

WO 01/21438

PCT/EP00/09183

particularly of the differential contrast evaluation.

B

10070567 030602